|                   | Index of Claims    |  |  |                   |                 |          |                      |                    |                       | Application No. |              |             |  |          |          |              |  |               |         | Applicant(s) |          |                 |          |  |  |  |
|-------------------|--------------------|--|--|-------------------|-----------------|----------|----------------------|--------------------|-----------------------|-----------------|--------------|-------------|--|----------|----------|--------------|--|---------------|---------|--------------|----------|-----------------|----------|--|--|--|
| 1111              |                    |  |  |                   |                 |          |                      |                    |                       | 9/65            |              |             |  |          |          |              |  | WALKER ET AL. |         |              |          |                 |          |  |  |  |
|                   |                    |  |  |                   |                 |          |                      |                    | Examiner Ella Colbert |                 |              |             |  |          |          |              |  | Art Unit      |         |              |          |                 |          |  |  |  |
|                   |                    |  |  |                   |                 |          |                      | _                  |                       |                 |              |             |  |          |          |              |  |               |         |              |          |                 |          |  |  |  |
|                   |                    |  |  |                   |                 |          |                      |                    | 1 -                   | iia (           | اںر          | DGI         | •  |          |          |              | !  | <u> </u>      |         |              | _        |                 |          |  |  |  |
| /Throu            |                    |  |  |                   |                 | hrou     | ugh numeral)         |                    |                       |                 | Γ            | Τ.          |  |          |          | П            |  |               |         | _            |          |                 |          |  |  |  |
|                   | √                  | Rejected   |  | -                 | Cancelled       |          |                      | ·· <b>-</b> ·,     |                       | N               | 1 1          | Non-Elected |  |          | A        | Appeal       |  |               |         |              |          |                 |          |  |  |  |
|                   |                    |  | 1  |                   |                 | _        | 4.                   |                    |                       |                 | Γ.           | Τ.          |  |          |          | 1            |  |               |         |              |          |                 |          |  |  |  |
|                   | =                  | Allowed  |  | ÷                 |                 | Re       | stric                | ted                |                       |                 |              | 1           | nterf  | ere      | ence     |              | 0  |               | Obj     | ect          | ted      |                 |          |  |  |  |
|                   | _                  | ·  |  |                   |                 |          |                      |                    |                       |                 | _            |             |  | _        |          | <b>,</b><br> |  |               |         |              |          |                 | -        |  |  |  |
| Claim             | -12                | Dat  | e<br>T   | П                 | -               | Cla      |                      | 10                 |                       | Da              | te<br>T      | _           | П  | ┨        | CI       | aim<br>I     | <del>                                     </del> |               |         | Da           | te       | $\overline{}$   | _        |  |  |  |
| Final<br>Original | 52615              |  |  |                   |                 | Final    | Original             | 82-61-8            |                       |                 |              |             |  |          | Final    | Original     |  |               |         |              | 1        |                 |          |  |  |  |
| Final<br>Origina  | , V                |  |  |                   |                 | ᄩ        | Orig                 | 1                  |                       |                 |              |             |  |          | 12       | l ig         | 1 1  |               |         |              |          |                 |          |  |  |  |
| +1                | +1                 |  | $\vdash \vdash$                                  | $\vdash$          | $\dashv \mid$   |          | 51                   | <i>O'</i>          | +                     | $\vdash\vdash$  | +            | +           | $\vdash$   | $\dashv$ | <u> </u> | 101          | ⊢  | +             | +       | +            | +        | $\vdash$        | +        |  |  |  |
| + 1               | +                  |  | +  | +                 | $\dashv \mid$   | $\vdash$ | 52                   | i<br>Ž             | +                     | $\vdash$        | +            | +           | ++   | $\dashv$ |          | 102          | $\vdash$   | $\dashv$      | +       | +            | -        | +               | +        |  |  |  |
| 3                 | $\bot\!\!\!\!\bot$ |  |  |                   | ן ן             |          | 53                   | 4                  |                       |                 | I            |             | 口  |          |          | 103          | 口  | 丁             |         |              |          |                 | 工        |  |  |  |
| 1                 | 4                  |  |  | $\Box$            | 4               |          | 54                   | 1                  |                       |                 | T            | $\perp$     | oxdot  | 4        |          | 104          | П  | $\bot$        | $\bot$  | $\perp$      | $\perp$  | П               | $\bot$   |  |  |  |
| <del>-   ∮</del>  |                    |  | ++   | +-+               | -               |          | 55<br>56             | 3                  | +                     | $\vdash \vdash$ | +            | +-          | ┼  | 4        | -        | 105<br>106   | $\vdash \vdash$                                  | +             | +       | +            | +-       | +               | +        |  |  |  |
| 1 - 5             | ╫                  | <del>                                     </del> | +-+-   | ++                | $\dashv$        |          | 57                   | 74-10-0-1-14       | +                     | ⊢-              | +            | +-          | +  | $\dashv$ | -        | 106          | H  | +             | +       | +            | +        | +               | +        |  |  |  |
| वि                | 士                  |  |  | $\Box \dagger$    | <u> </u>        |          | 58                   | \$                 | 1                     |                 | T            | 士           | 廿  |          |          | 108          | 口  | 寸             | _       | †            | 1        | $\Box$          | +        |  |  |  |
| 9                 |                    |  |  |                   |                 |          |                      |                    | $\perp$               |                 | I            | $\perp$     | $\Box$   | $\Box$   |          | 109          |  | $\Box$        | $\perp$ | L            |          |                 |          |  |  |  |
| 10                |                    |  | -  | +                 | -               | <u> </u> | 60<br>61             |                    | +                     | $\vdash \vdash$ | +-           | +           | $\vdash$   | $\dashv$ |          | 110<br>111   | $\vdash \vdash$                                  | $\dashv$      | +       | +            | $\perp$  | $\sqcup$        | +        |  |  |  |
| 12                |                    |  | ╁┼   | ++                | -               |          | 62                   | <del>ار</del><br>ا | -                     |                 | ╁            | +           | ┢  | $\dashv$ | 1        | 112          | H  | $\dashv$      | +       | +-           | ╫        | $\vdash$        | +        |  |  |  |
| 13                |                    |  |  | $\vdash$          | <b>-</b> 1 (    |          | 63                   | 7                  | $\top$                | -1              | $\dagger$    | $\top$      |  | 7        |          | 113          | П  | $\top$        | +       | +-           | 1.       | Ħ               | $\dashv$ |  |  |  |
| 14                |                    |  |  |                   | ]               |          | 64                   | $\prod$            |                       |                 | I            | $\perp$     |  |          |          | 114          |  | $\perp$       |         |              |          |                 |          |  |  |  |
| 15                |                    |  |  | $\vdash$          | _               |          | 65                   | -                  | -                     |                 | +            | +           | ┡  | 4        | _        | 115          | Н  | +             | +       | +            | ╀        | $\sqcup$        | - -      |  |  |  |
| 16                |                    |  | ╁┼   | ╁┼                | -               |          | 66                   | ++-                |                       | $\dashv$        | ╁            | +           |  | +        |          | 116<br>117   | $\vdash$   | -             | +       | ╫            | ╁        | ╂╼╂             | +        |  |  |  |
| 18                |                    |  | $\vdash \vdash$                                  | $\vdash$          | 9               |          | 68                   | #                  | $\top$                |                 | $\dagger$    | ╁           |  | 1        |          | 118          | $\vdash$   | $\dashv$      | 十       | +            | +        | H               | +        |  |  |  |
| 19                |                    |  |  |                   | <b>]</b>        |          | 69                   |                    |                       |                 | L            |             |  | ]        |          | 119          |  |               |         |              |          |                 |          |  |  |  |
| 20                | H                  |  | $\vdash \vdash$                                  | $\sqcup$          | -               |          | 70                   | 7                  | $\bot$                | $\vdash$        | $\bot$       | <b>-</b>    | _ _  | 4        | <u> </u> | 120          | Ш  | 4             | _       | $\perp$      | ╀        | Ш               | _        |  |  |  |
| 21                | H                  |  | $\vdash\vdash$                                   |                   | -               |          | 7)<br>72             | H                  | +                     | _               | ╁            | +-          | ╁╌┼╴   | $\dashv$ | -        | 121<br>122   | $\vdash$   | +             | +       | ╫            | +        | $\vdash$        | +        |  |  |  |
| 2                 |                    |  |  | 1 1               | 1 1             |          | 73                   | 1                  | +                     | +               | ╁            | +-          | <del>                                     </del> | -        |          | 123          | Н  | $\dashv$      | +       | +            | +        | ╁┼              | -        |  |  |  |
| 24                |                    |  |  |                   | <b>]</b>        |          | 73<br>74<br>75<br>76 | 4                  |                       |                 |              |             |  |          |          | 124          |  |               |         |              |          |                 |          |  |  |  |
| 2                 |                    |  | <del></del>                                      | $\vdash$          | -               |          | 75                   | +                  | $\bot$                |                 | $\downarrow$ | 1           | $\sqcup \bot$                                    | 4        |          | 125          | $\sqcup$   | $\perp$       | +       | 4            |          | $\sqcup$        | $\perp$  |  |  |  |
| 26                |                    | <del></del>                                      |  | ╁┼                | ┦ !             |          | 77                   | 1                  |                       |                 | ╁            | +           | $\vdash$   | 4        | -        | 126<br>127   | $\vdash$   |               | +       | ╀            | +-       | $\vdash$        | +        |  |  |  |
| 28                |                    |  | <del>                                     </del> | †+                | $\dashv$ $\mid$ |          | 78                   | 1                  | +                     |                 | $\dagger$    | +           | +  | $\dashv$ | 1        | 128          | H  | +             | +       | +            | +-       | $\vdash$        |          |  |  |  |
| 29                |                    |  |  |                   | ]               |          | 78<br>79<br>80       | 1                  | $\perp$               |                 | I            |             |  |          |          | 129          |  | 工             | 工       |              |          | $\square$       |          |  |  |  |
| 30                |                    |  |  | $\prod$           | 4               |          | 80                   | 4                  | $\perp$               |                 | ╀-           | 1           |  | 4        |          | 130          | $\sqcup$   | $\Box$        | 1       | 1            | <u> </u> | $\Box$          | $\perp$  |  |  |  |
| 31                |                    |  | +-   | ╁┼┼               | -               |          | 81<br>82             | -                  | +                     |                 | +            | +           | ++   | $\dashv$ |          | 131<br>132   | $\vdash \vdash$                                  | +             | +       | +            | +        | $\vdash$        | +        |  |  |  |
| 3                 |                    |  | <del>                                     </del> | ++                | $\dashv$        |          | 83                   | +                  | +                     | +               | +            | +           | +  | $\dashv$ |          | 133          |  | +             | +       | +-           | +        | $\vdash \vdash$ | _        |  |  |  |
| 3                 | $\prod$            |  | 口  |                   | J               |          | 84                   |                    |                       |                 | I            | $\perp$     |  |          |          | 134          |  | 土             | 上       | T            |          | 口               | 士        |  |  |  |
| 35                | $\prod_{i}$        |  |  | $\Box$            | _               |          | 85                   |                    | $\Box$                |                 | F            | $\perp$     |  | 4        |          | 135          | П  | $\perp$       | Ţ       | $\bot$       | Ţ.       | П               | Ţ        |  |  |  |
| 38                | <u> </u>           |  | $\vdash$   | +                 | -               |          | 86<br>87             | +                  | +                     |                 | +-           | +           | $\vdash$   | $\dashv$ | <u> </u> | 136<br>137   | $\vdash \vdash$                                  |               | +       | +-           | +        | $\sqcup$        | _        |  |  |  |
|                   |                    |  | $\vdash$   | ++                | ┨               |          | 88                   | $\dashv$           | +                     | -               | +            | +-          | ++   | $\dashv$ |          | 138          | $\vdash \vdash$                                  | +             | +       | +            | +        | 1-1             | +        |  |  |  |
| 38                |                    |  |  |                   | <b>]</b>        |          | 89                   |                    |                       |                 | İ            | 上           |  | _        |          | 139          |  | 丁             | 丁       | 上            | 1        |                 |          |  |  |  |
| 40                | $\Pi$              |  | $\Box$   | П                 | ]               |          | 90                   |                    | Ш                     | $\Box$          | Γ            | $\perp$     |  | ]        |          | 140          | П  | $\bot$        | $\perp$ | I            | $\Box$   | П               |          |  |  |  |
| 41                |                    |  | ┼┼-  | $\vdash$          | <b>⊣</b> ∤      |          | 91<br>92             |                    | +                     | +               | +            | +           | -  | 4        |          | 141<br>142   | $\vdash \vdash$                                  | +             | +       | +            | +        | ⊢∤              | +        |  |  |  |
| 43                |                    | <del>                                     </del> | ++   | ╁┼                | -               |          | 93                   | +                  | +                     |                 | +            | +           | $\vdash$   | $\dashv$ | -        | 143          | $\vdash$   | +             | +       | +            | +        | $\vdash \vdash$ | +        |  |  |  |
| 44                |                    |  |  |                   | <u> </u>        |          | 94                   | $\top$             | П                     |                 | İ            | 1           |  | _        |          | 144          |  | _             | $\top$  | _            | 1        | $\Box$          | +        |  |  |  |
| 45                |                    |  |  | П                 | ] [             |          | 95                   |                    | $\Box$                |                 | Γ            | $\perp$     | П  |          |          | 145          | П  | $\perp$       |         | Ţ            |          | $\Box$          |          |  |  |  |
| 46                |                    |  | $\vdash$   | $\vdash$          | 4               |          | 96                   | +                  | ╀┤                    |                 | +            | +           | $\vdash$   | 4        |          | 146          | $\vdash \vdash$                                  | -             | -       | $\perp$      | 1.       |                 | 1        |  |  |  |
| 4                 | П                  |  | <del>                                     </del> | +                 | ┨┤              |          | 97<br>98             | +                  | +                     | +               | +            | +           | $\vdash \vdash$                                  | $\dashv$ | -        | 147<br>148   | ├┤   | +             | ╁       | +            | +        | ╁╼╂             | +        |  |  |  |
| 49                | 1                  |  |  | $\dagger \dagger$ | ☐             ☐ |          | 99                   | +                  | +                     | _               | +            | +           |  | 1        |          | 149          | -  | +             | +       | +            | +        | ╁┼              | +        |  |  |  |
| 50                | 1                  |  |  | Ш                 | J [             |          | 100                  |                    |                       |                 | $oxed{L}$    | $\perp$     |  | J        |          | 150          |  | 士             | 丁       | I            |          |                 | 止        |  |  |  |
|                   |                    |  |  |                   |                 |          |                      |                    |                       |                 |              |             |  |          |          |              |  |               |         |              |          |                 |          |  |  |  |

Application No.

Applicant(s)